APPLIED MATERIALS INC/DE

Form 4 March 20, 2008

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB APPROVAL

OMB Number: 3235-0287

Expires: January 31, 2005

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if no longer subject to Section 16. Form 4 or Form 5

obligations

may continue.

See Instruction

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section

30(h) of the Investment Company Act of 1940

1(b).

Common

Stock

03/19/2008

(Print or Type Responses)

1. Name and Address of Reporting Person * 5. Relationship of Reporting Person(s) to 2. Issuer Name and Ticker or Trading KIFER RON Issuer Symbol APPLIED MATERIALS INC /DE (Check all applicable) [AMAT] 10% Owner (Last) (First) (Middle) 3. Date of Earliest Transaction Director X_ Officer (give title Other (specify (Month/Day/Year) below) C/O APPLIED MATERIALS. 03/19/2008 Group VP & CIO INC., P.O BOX 58039, 3050 BOWERS AV, M/S 2023 (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year) Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting SANTA CLARA, CA 95054 (City) (State) (Zip) Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned 1.Title of 2. Transaction Date 2A. Deemed 3. 5. Amount of 7. Nature of 4. Securities Acquired (A) Security (Month/Day/Year) Execution Date, if Transaction Disposed of (D) Securities Ownership Indirect (Instr. 3) Code (Instr. 3, 4 and 5) Beneficially Form: Beneficial (Month/Day/Year) (Instr. 8) Owned Direct (D) Ownership **Following** or Indirect (Instr. 4) Reported (A) Transaction(s) (Instr. 4)

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

Code V

S

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SEC 1474

(9-02)

(Instr. 3 and 4)

179,599 (1)

D

Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

or

(D)

\$

Amount

19,358

Price

21,1708

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	1. Title of	2.	3. Transaction Date	3A. Deemed	4.	5.	6. Date Exerc	cisable and	7. Titl	le and	8. Price of	9. Nu
	Derivative	Conversion	(Month/Day/Year)	Execution Date, if	TransactionNumber		Expiration D	ate Amou		int of	Derivative	Deriv
	Security	or Exercise		any	Code	of	(Month/Day/	Year)	Under	lying	Security	Secui
	(Instr. 3)	Price of		(Month/Day/Year)	(Instr. 8)	Derivative Securities		Securities	(Instr. 5)	Bene		
		Derivative						(Instr. 3 and 4)		Own		
		Security				Acquired	red				Follo	
						(A) or						Repo
						Disposed						Trans
						of (D)					(Instr	
						(Instr. 3,						
						4, and 5)						
										A 4		
										Amount		
					Code V		Exercisable Date	Expiration Date	Title	or Namelana		
										Number		
						(A) (D)			of			
					Code V	(A) (D)				Shares		

Reporting Owners

Relationships Reporting Owner Name / Address

> Director 10% Owner Officer Other

KIFER RON C/O APPLIED MATERIALS, INC. P.O BOX 58039, 3050 BOWERS AV, M/S 2023 SANTA CLARA, CA 95054

Group VP & CIO

Signatures

/s/ Charmaine Mesina, Attorney-in-Fact

03/20/2008

**Signature of Reporting Person

Date

Explanation of Responses:

- If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Increased number of shares reflects periodic payroll acquisitions under Employees' Stock Purchase Plan that are exempt under Rule 16a-10 and Rule 16b-3. Number of shares includes 178,625 performance shares (restricted stock units) previously reported that in the future will be converted on a one-for-one basis into shares of Applied Materials, Inc. common stock upon vesting, which vesting is

(1) scheduled to occur as follows: 48,000 performance shares are scheduled to vest in two equal annual installments beginning 8/31/08; 67,500 performance shares are scheduled to vest in three equal annual installments beginning 8/31/08; 13,125 performance shares are scheduled to vest in three equal annual installments beginning 5/1/08; and 50,000 performance shares are scheduled to vest in four equal annual installments beginning 8/31/08 (all vesting is subject to continued employment).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

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